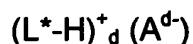


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A method for the preparation of a supported transition metal catalyst system said method comprising the steps of:
 - (i) mixing together in a suitable solvent
 - (a) an organometallic compound, and
 - (b) an ionic activator comprising a cation and an anion,
 - (ii) ~~addition of adding~~ the mixture from step (i) to a support material, and
 - (iii) ~~addition of adding~~ a transition metal compound in a suitable solvent, ~~characterised in that wherein~~ the molar ratio of organometallic compound (a) to ionic activator (b) in step (i) is in the range of from 0.1 to 2.0.
2. (Currently amended) A method according to claim 1 wherein the molar ratio of organometallic compound (a) to ionic activator (b) is in the range of from 0.3 to 0.6.
3. (Currently amended) A method according to ~~either of the preceding claims~~ claim 1 or 2 wherein the organometallic compound comprises a Group IIIB metal.
4. (Original) A method according to claim 3 wherein the organometallic compound is an organoaluminium compound.
5. (Original) A method according to claim 4 wherein the organoaluminium compound is triisobutylaluminium.
6. (Currently amended) A method according to ~~any of the preceding claims~~ claim 1 wherein the ionic activator has the formula:



wherein

L^* is a neutral Lewis base

$(L^*-H)^d$ is a Bronsted acid

A^{d-} is a non-corodinating compatible anion having a charge of d^- , and

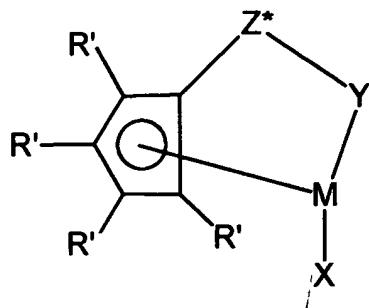
d is an integer from 1 to 3.

7. (Original) A method according to claim 6 wherein the ionic activator comprises a cation and an anion wherein the anion has at least one substituent comprising a moiety having an active hydrogen.
8. (Currently amended) A method according to ~~any of the preceding claims~~ claim 1 wherein the transition metal compound is a metallocene.
9. (Currently amended) A method according to claim 8 wherein the metallocene has the formula:



wherein Cp is a single cyclopentadienyl or substituted cyclopentadienyl group optionally ~~covalently~~ covalently bonded to M through a substituent, M is a Group VIA metal bound in a η^5 bonding mode to the cyclopentadienyl or substituted cyclopentadienyl group, X each occurrence is hydride or a moiety selected from the group consisting of halo, alkyl, aryl, aryloxy, alkoxy, alkoxyalkyl, amidoalkyl, and siloxyalkyl [[etc.]] having up to 20 non-hydrogen atoms and neutral Lewis base ligands having up to 20 non-hydrogen atoms or optionally one X together with Cp forms a metallocycle with M and n is dependent upon the valency of the metal.

10. (Currently amended) A method according to claim 8 wherein the metallocene is represented by the general formula:



wherein:-

R' each occurrence is independently selected from the group consisting of hydrogen, hydrocarbyl, silyl, germyl, halo, cyano, and combinations thereof, said R' having up to 20 nonhydrogen atoms, and optionally, two R' groups (where R' is not hydrogen, halo or cyano) together form a divalent derivative thereof connected to adjacent positions of the cyclopentadienyl ring to form a fused ring structure;

X is a neutral η^4 bonded diene group having up to 30 non-hydrogen atoms, which forms a π -complex with M;

Y is -O-, -S-, -NR*-, -PR*-,

M is titanium or zirconium in the + 2 formal oxidation state;

Z* is SiR*₂, CR*₂, SiR*₂SIR*₂, CR*₂CR*₂, CR*=CR*, CR*₂SIR*₂, or

GeR*₂, wherein:

R* each occurrence is independently hydrogen, or a member selected from the group consisting of hydrocarbyl, silyl, halogenated alkyl, halogenated aryl, and combinations thereof, said

R^* having up to 10 non-hydrogen atoms, and optionally, two R^* groups from Z^* (when R^* is not hydrogen), or an R^* group from Z^* and an R^* group from Y form a ring system.

11. (Currently amended) A method according to ~~any of the preceding claims~~ claim 1 wherein the support material is silica.

12. (Original) A method according to claim 11 wherein the silica is pretreated with an organometallic compound.

13. (Currently amended) A method for the preparation of a supported transition metal catalyst system said method comprising the steps of:

- (i) mixing together in a suitable solvent
 - (a) an organometallic compound, and
 - (b) an ionic activator comprising a cation and an anion,
- (ii) ~~addition of~~ adding the mixture from step (i) to a support material, and
- (iii) ~~addition of~~ adding a transition metal compound in a suitable solvent

~~characterised in that~~ wherein the molar ratio of organometallic compound (a) to ionic activator (b) in step (1) is in the range of from 0.1 to 2.0 and wherein after step (iii) there are no washing steps performed before the solvent is removed.

14. (Currently amended) A process for the polymerisation of olefin monomers selected from (a) ethylene, (b) propylene (c) mixtures of ethylene and propylene and (d) mixtures of (a), (b) or (c) with one or more other alpha-olefins, said process performed in the presence of a supported transition metal catalyst system prepared according to the method of ~~any of the preceding claims~~ claim 1 or 13.

15. (Currently amended) A process for the polymerisation of ethylene or the copolymerisation of ethylene and α -olefins having from 3 to 10 carbon atoms, said process performed under polymerisation conditions in the presence of a supported catalyst system prepared according to the method of ~~any of claims 1-13~~ claim 1 or 13.

16. (Original) A process according to claim 15 wherein the α -olefin is 1-butene, 1-hexene, 4-methyl-1-pentene or 1-octene.

17. (Currently amended) A process according to ~~any of claims~~ claim 14 [[to 16]] performed in the solution, slurry or gas phase.

18. (Currently amended) A process according to ~~any of claims~~ claim 14 [[to 16]] performed in a fluidized bed gas phase reactor.